

GFH50

Recombinant Human Visfatin

Description

Visfatin is an adipokine produced by visceral adipose tissue. Visfatin acts as a pro-inflammatory factor for peripheral blood mononuclear cells (PBMCs) and mimics the effects of insulin on adipocytes, monocytes and hepatocytes.

Length	466 aa
Molecular Weight	52.7 kDa
Source	E. coli
Accession Number	P43490
Purity	≥95% determined by reducing and non-reducing SDS-PAGE

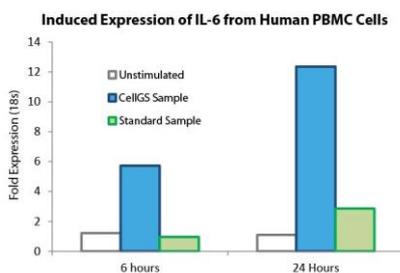
Specifications

Alternative Names	PBEF
Biological Activity	Human Visfatin is fully biologically active when compared to standard. The activity is determined by the induced expression of IL-6 from Human PBMC cells.
Endotoxin Level	≤1.00 EU/μg as measured by kinetic LAL
Formulation	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)
AA Sequence	MPPNTSKVYS YFECREKKTE NSKLRKVKYE ETVFYGLQYI LNKYLK GKVV TKEKIQEAKD VYKEHFQDDV FNEKGWNYIL EKYDGHLPYE IKAVPEGFVI PRGNVLFYVE NTDPECYWLT NWIETILVQS WYPITVATNS REQKILAKY LLETSGNLDG LEYKLHDFGY RGVSSQETAG IGASAHLVNF KGTDTVAGLA LIKKYYGTDK PVPGYSPVAA EHSTITAWGK DH

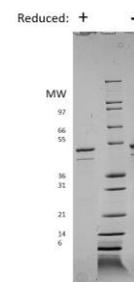
Preparation and Storage

Reconstitution	Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile 20 mM HCl at 0.1 mg/ml, which can be further diluted into other aqueous solutions.
Stability and Storage	12 months from date of receipt when stored at -20°C to -80°C as supplied. 1 month when stored at 4°C after reconstituting as directed. 3 months when stored at -20°C to -80°C after reconstituting as directed.

Data



Induced expression of IL-6 from human PBMC cells for Human Visfatin. A significant increase in IL-6 is visible.



Non-reducing (-) and reducing (+) conditions in a 4 - 20% Tris-Glycine gel stained with Coomassie Blue. 1 μg of protein was loaded in each lane. Human Visfatin has a predicted Mw of 52.7 kDa.